TOSHIBA-0015

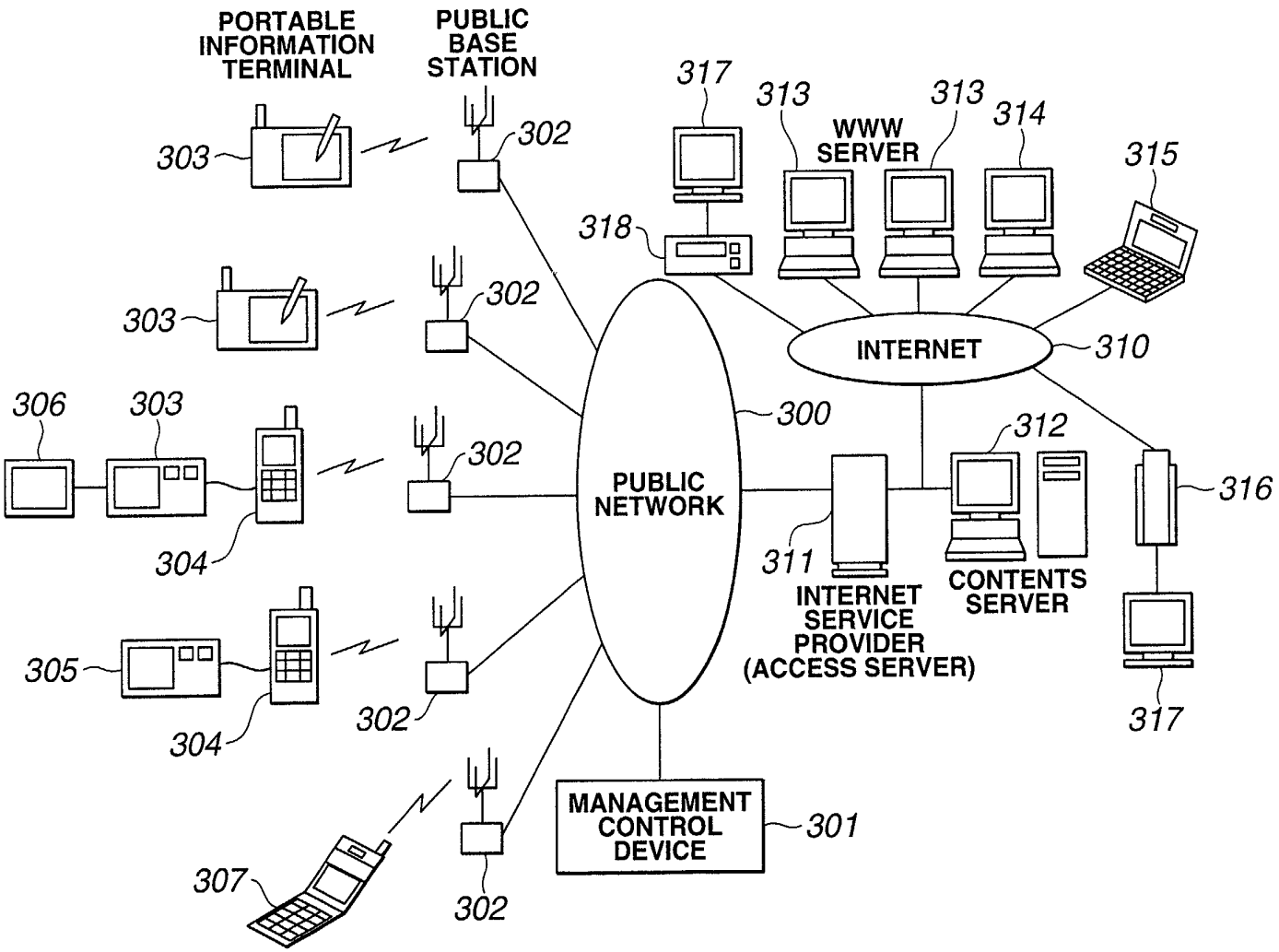


FIG.1

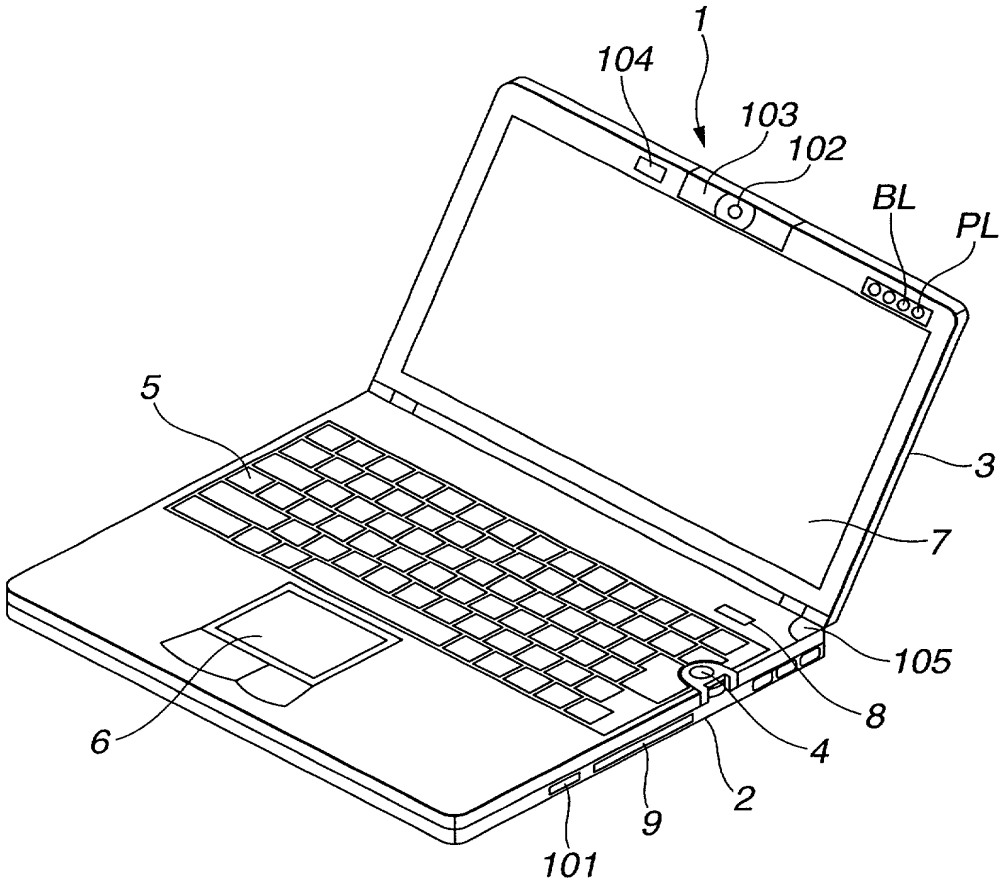


FIG.2

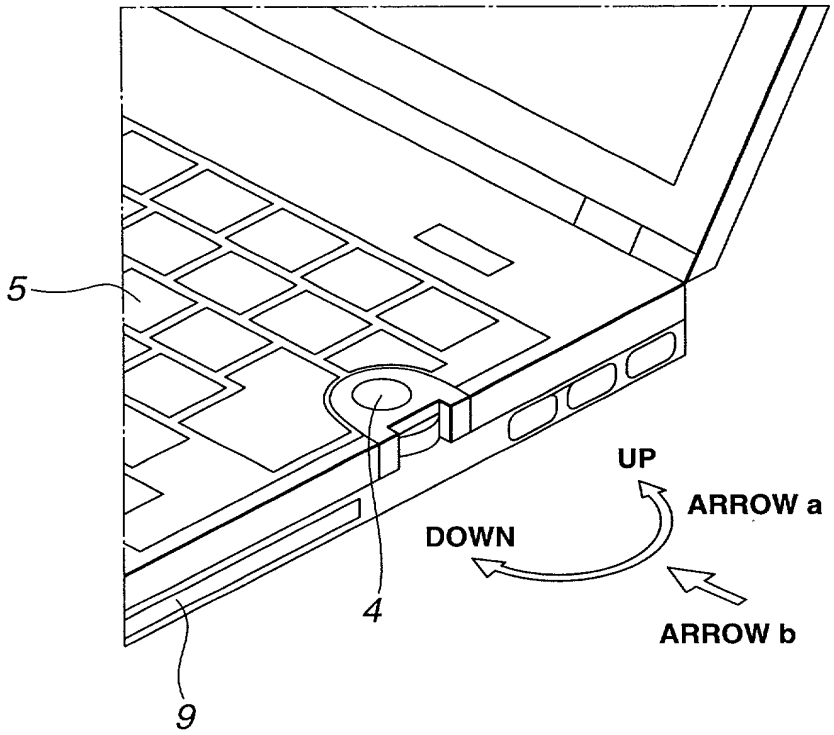


FIG.3

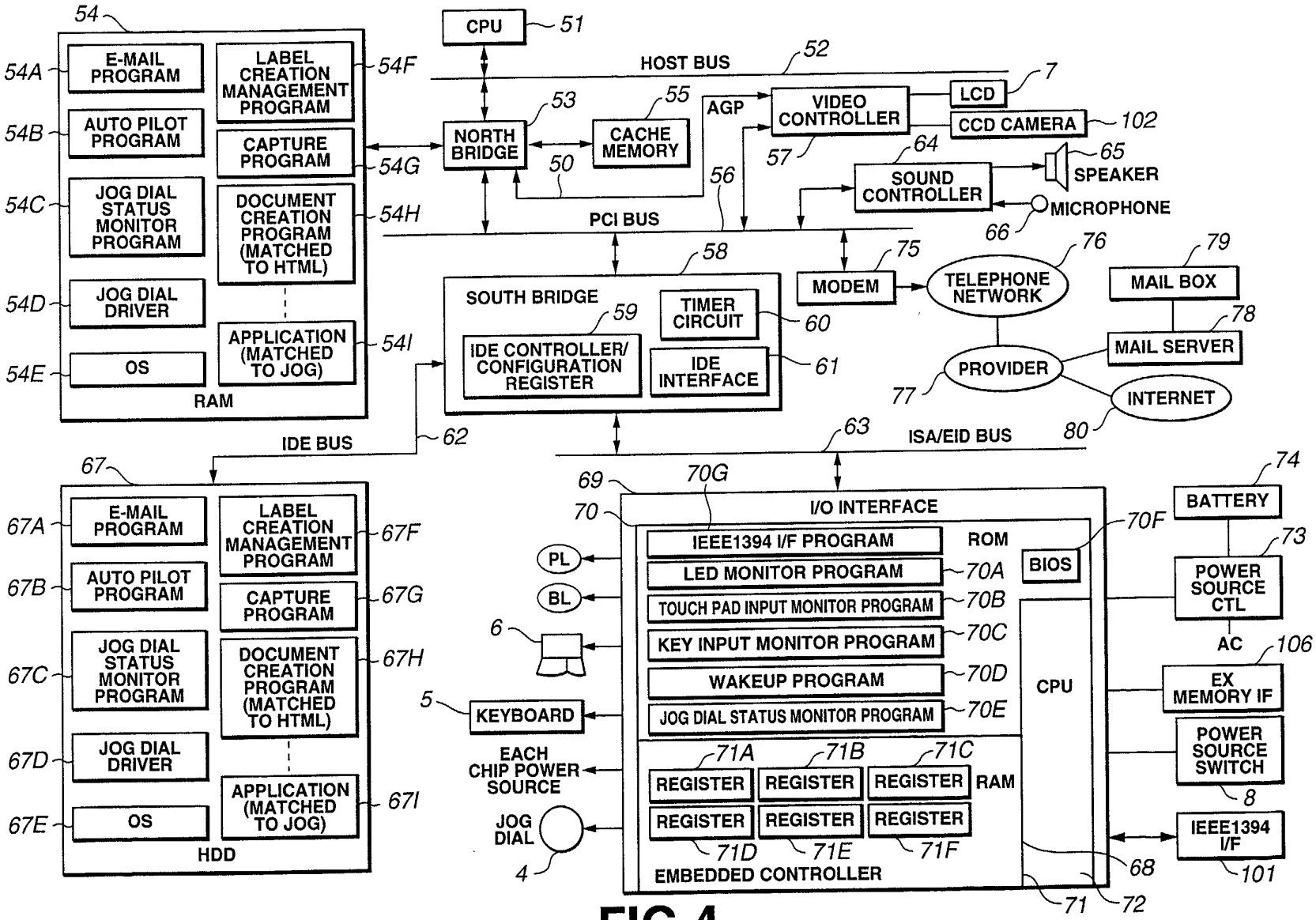
54
CPU
51
HOST BUS
52
54A
E-MAIL PROGRAM
LABEL CREATION MANAGEMENT PROGRAM
54F
54B
AUTO PILOT PROGRAM
CAPTURE PROGRAM
54G
NORTH BRIDGE
53
CACHE MEMORY
55
AGP
VIDEO CONTROLLER
LCD
7
CCD CAMERA
102
50
57
64
SOUND CONTROLLER
65
SPEAKER
54C
JOG DIAL STATUS MONITOR PROGRAM
DOCUMENT CREATION PROGRAM (MATCHED TO HTML)
54H
56
PCI BUS
MICROPHONE
66
58
75
76
79
54D
JOG DIAL DRIVER
SOUTH BRIDGE
59
TIMER CIRCUIT
60
MODEM
TELEPHONE NETWORK
MAIL BOX
78
APPLICATION (MATCHED TO JOG)
54I
54E
OS
IDE CONTROLLER/ CONFIGURATION REGISTER
IDE INTERFACE
61
PROVIDER
MAIL SERVER
77
INTERNET
80
RAM
IDE BUS
62
63
ISA/EID BUS
67
69
70G
74
70
I/O INTERFACE
BATTERY
67A
E-MAIL PROGRAM
LABEL CREATION MANAGEMENT PROGRAM
67F
IEEE1394 I/F PROGRAM
ROM
70F
BIOS
73
PL
LED MONITOR PROGRAM
70A
POWER SOURCE CTL
67B
AUTO PILOT PROGRAM
CAPTURE PROGRAM
67G
BL
TOUCH PAD INPUT MONITOR PROGRAM
70B
AC
106
6
KEY INPUT MONITOR PROGRAM
70C
67C
JOG DIAL STATUS MONITOR PROGRAM
DOCUMENT CREATION PROGRAM (MATCHED TO HTML)
67H
WAKEUP PROGRAM
70D
CPU
EX MEMORY IF
5
KEYBOARD
JOG DIAL STATUS MONITOR PROGRAM
70E
67D
JOG DIAL DRIVER
71A
71B
71C
POWER SOURCE SWITCH
EACH CHIP POWER SOURCE
REGISTER
REGISTER
REGISTER
RAM
8
APPLICATION (MATCHED TO JOG)
67I
67E
OS
REGISTER
REGISTER
REGISTER
IEEE1394 I/F
JOG DIAL
71D
71E
71F
68
101
4
EMBEDDED CONTROLLER
HDD
71
72

FIG.4

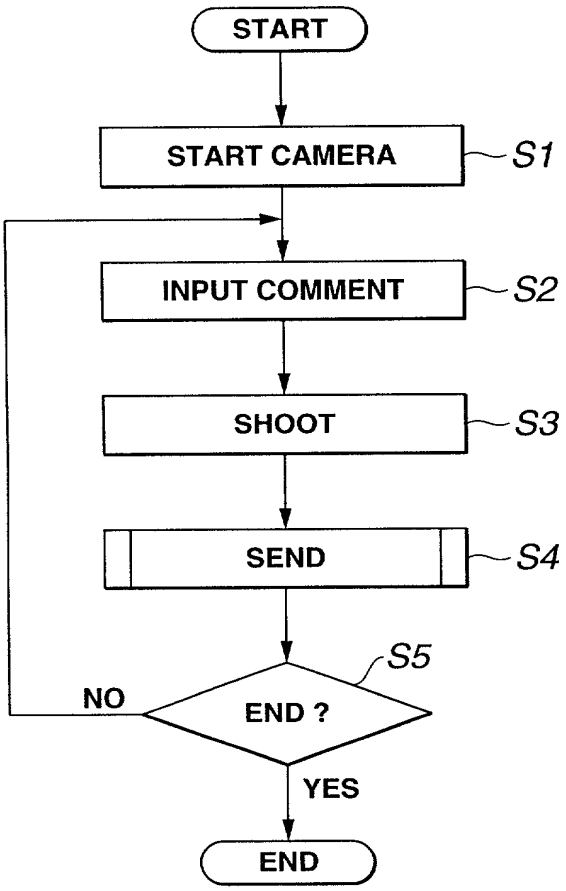
START
START CAMERA
S1
INPUT COMMENT
S2
SHOOT
S3
SEND
S4
S5
NO
END ?
YES
END

FIG.5

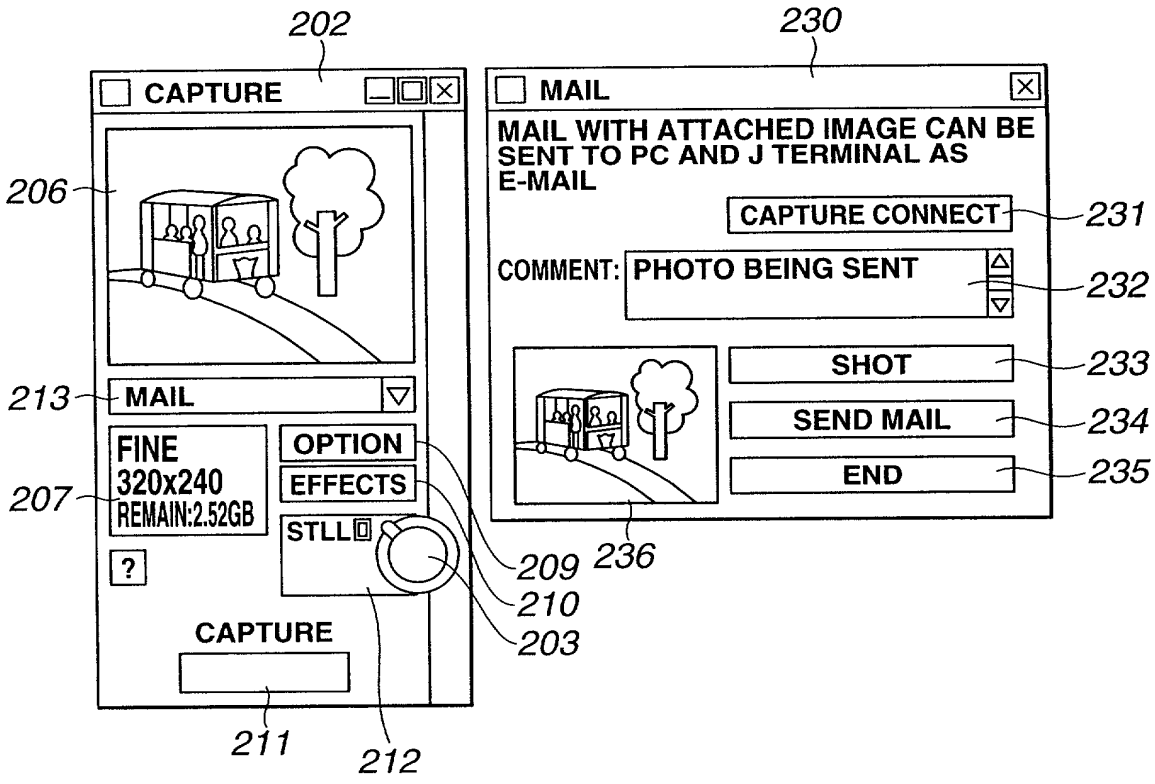
202
230
CAPTURE
MAIL
MAIL WITH ATTACHED IMAGE CAN BE SENT TO PC AND J TERMINAL AS E-MAIL
CAPTURE CONNECT
231
COMMENT: PHOTO BEING SENT
232
206
213
MAIL
SHOT
233
SEND MAIL
234
END
235
FINE
320x240
REMAIN:2.52GB
207
OPTION
EFFECTS
STILL
?
209
210
203
236
CAPTURE
211
212

FIG.6

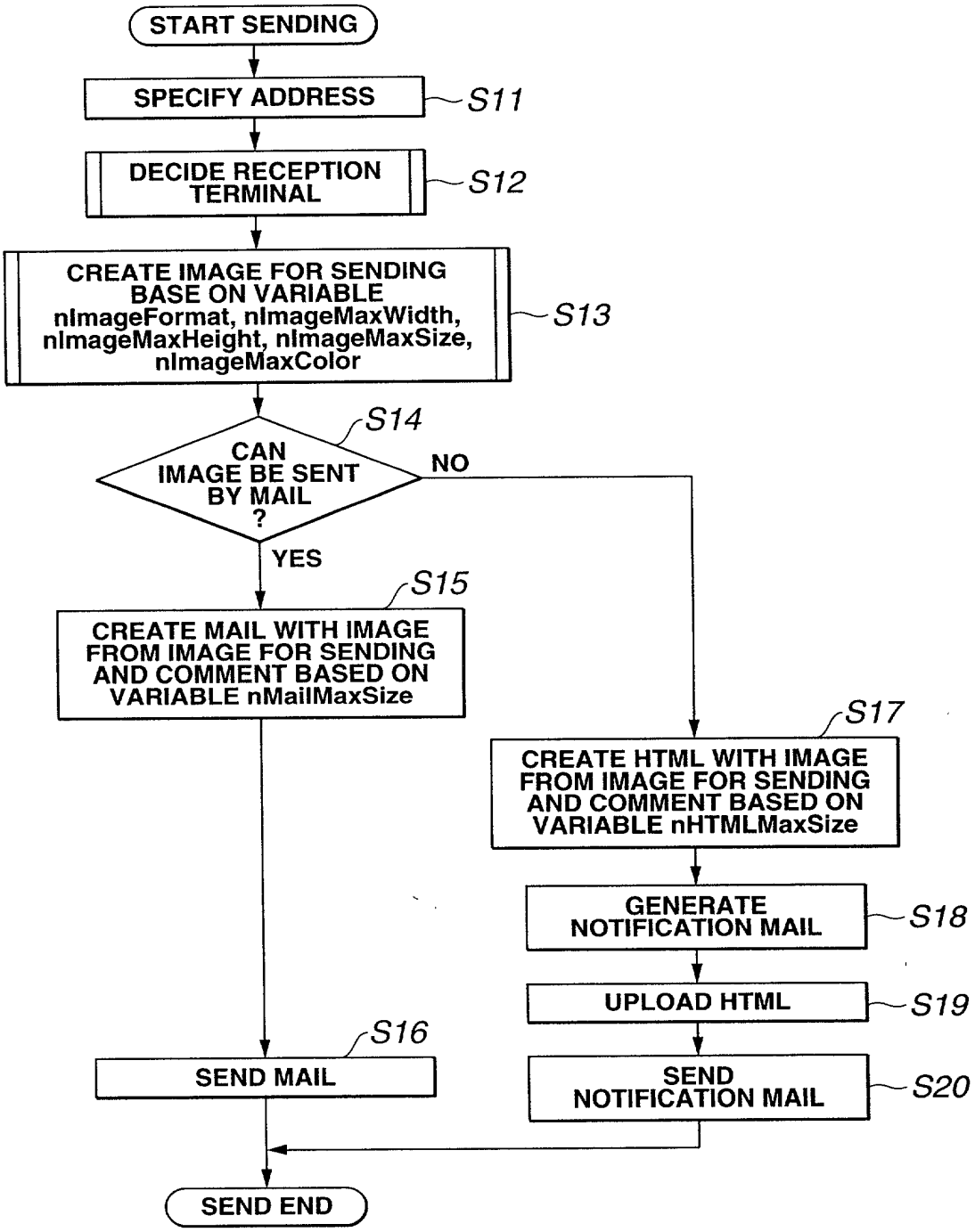
START SENDING
SPECIFY ADDRESS
S11
DECIDE RECEPTION TERMINAL
S12
CREATE IMAGE FOR SENDING BASE ON VARIABLE nImageFormat, nImageMaxWidth, nImageMaxHeight, nImageMaxSize, nImageMaxColor
S13
S14
CAN IMAGE BE SENT BY MAIL ?
NO
YES
S15
CREATE MAIL WITH IMAGE FROM IMAGE FOR SENDING AND COMMENT BASED ON VARIABLE nMailMaxSize
S17
CREATE HTML WITH IMAGE FROM IMAGE FOR SENDING AND COMMENT BASED ON VARIABLE nHTMLMaxSize
GENERATE NOTIFICATION MAIL
S18
UPLOAD HTML
S19
S16
SEND MAIL
SEND NOTIFICATION MAIL
S20
SEND END

FIG.7

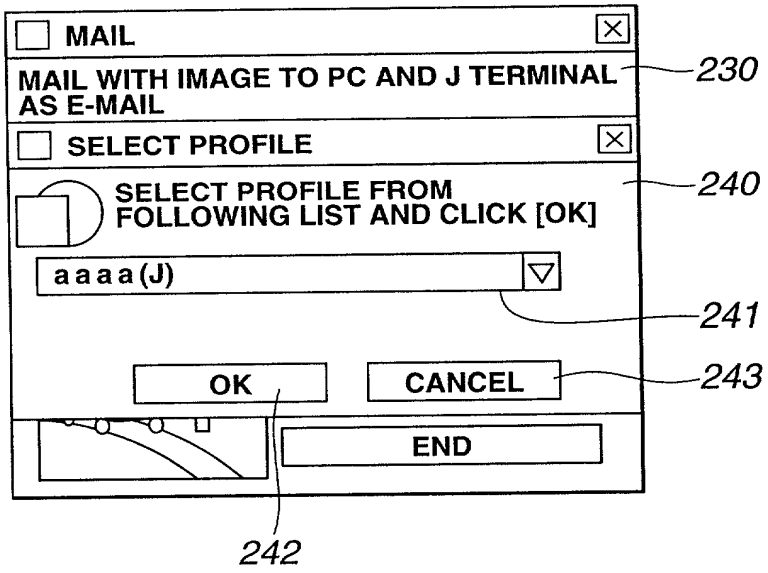
MAIL
MAIL WITH IMAGE TO PC AND J TERMINAL AS E-MAIL
230
SELECT PROFILE
SELECT PROFILE FROM FOLLOWING LIST AND CLICK [OK]
240
aaaa(J)
241
OK
CANCEL
243
END
242

FIG.8

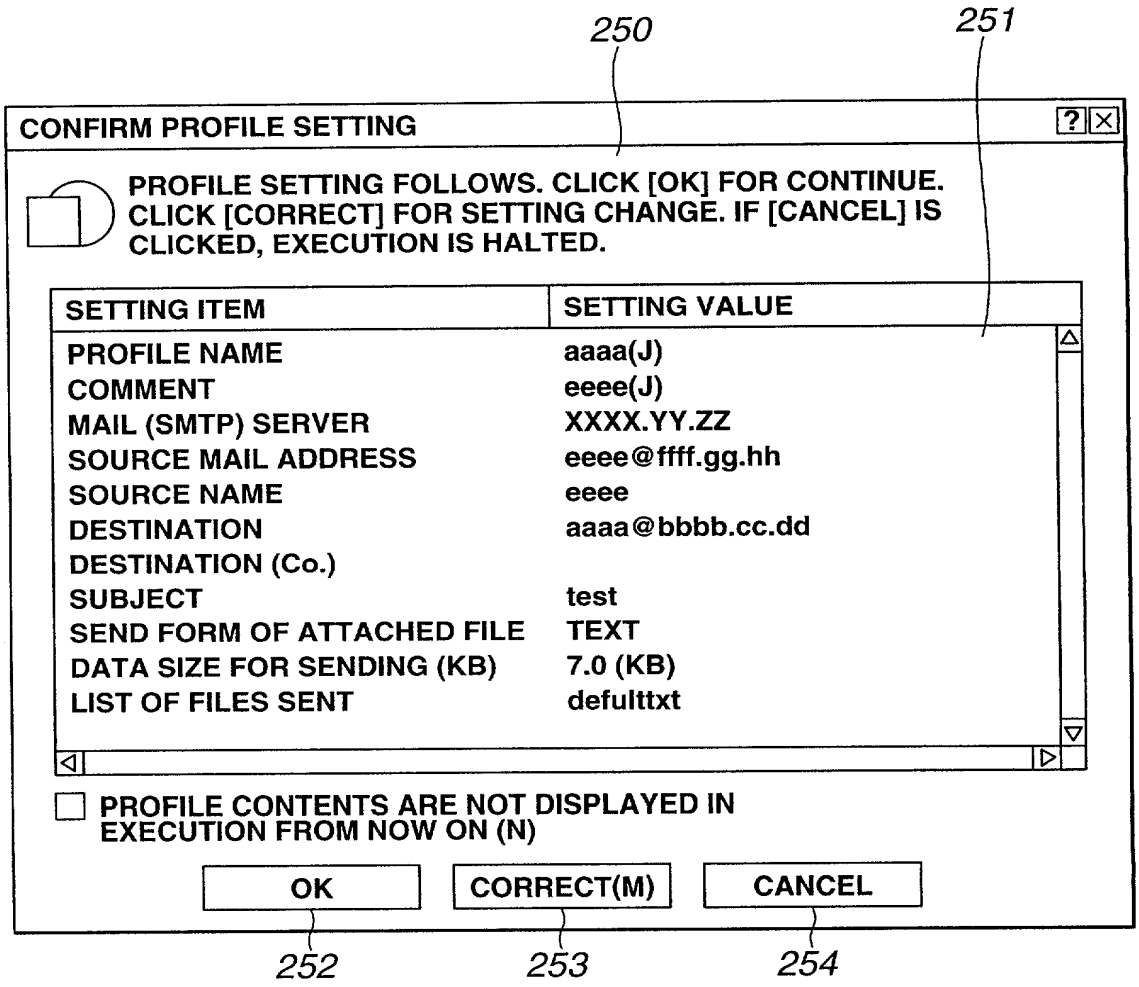
250
251
CONFIRM PROFILE SETTING
PROFILE SETTING FOLLOWS. CLICK [OK] FOR CONTINUE. CLICK [CORRECT] FOR SETTING CHANGE. IF [CANCEL] IS CLICKED, EXECUTION IS HALTED.
SETTING ITEM
SETTING VALUE
PROFILE NAME
aaaa(J)
COMMENT
eeee(J)
MAIL (SMTP) SERVER
XXXX.YY.ZZ
SOURCE MAIL ADDRESS
eeee@ffff.gg.hh
SOURCE NAME
eeee
DESTINATION
aaaa@bbbb.cc.dd
DESTINATION (Co.)
SUBJECT
test
SEND FORM OF ATTACHED FILE
TEXT
DATA SIZE FOR SENDING (KB)
7.0 (KB)
LIST OF FILES SENT
defulttxt
PROFILE CONTENTS ARE NOT DISPLAYED IN EXECUTION FROM NOW ON (N)
OK
CORRECT(M)
CANCEL
252
253
254

FIG.9

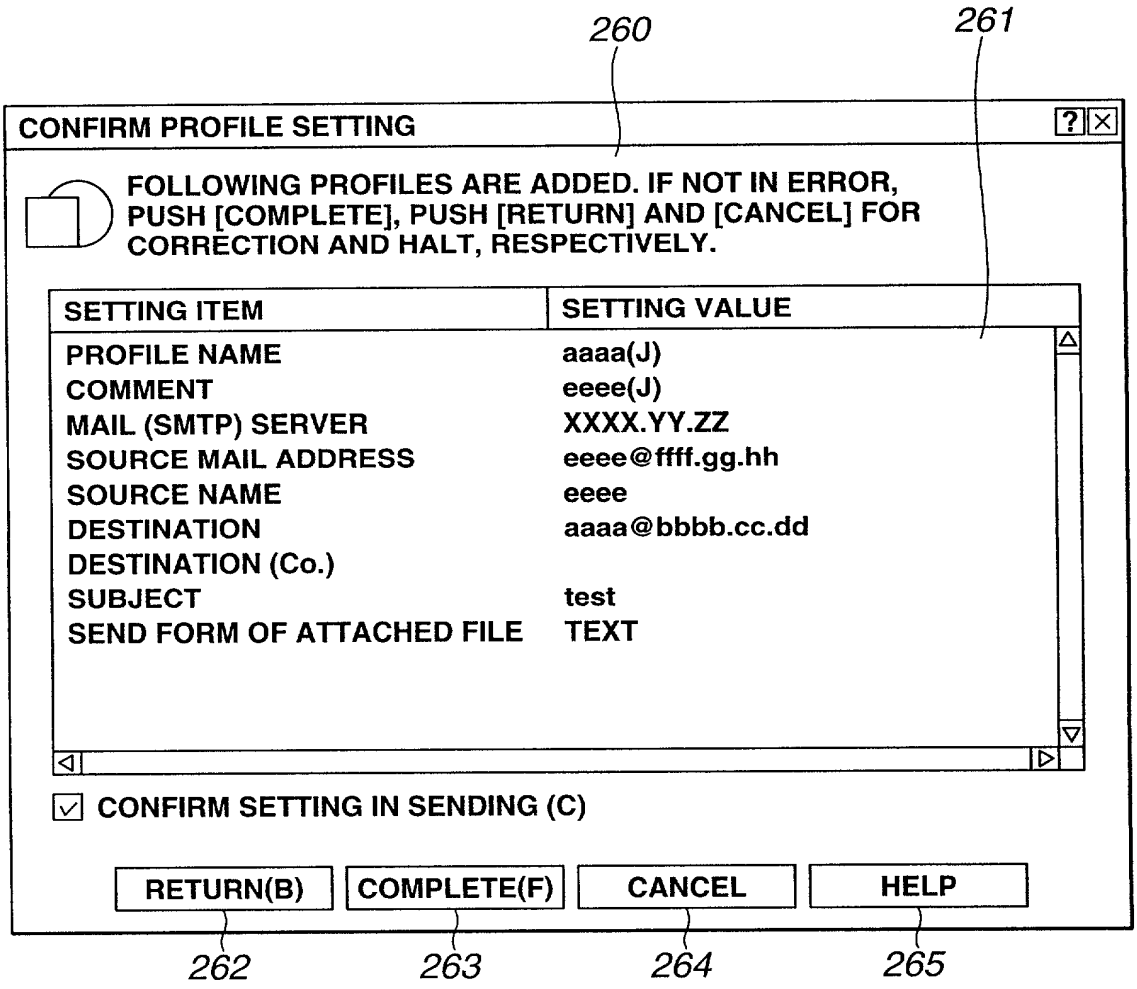
260
261
CONFIRM PROFILE SETTING
FOLLOWING PROFILES ARE ADDED. IF NOT IN ERROR, PUSH [COMPLETE], PUSH [RETURN] AND [CANCEL] FOR CORRECTION AND HALT, RESPECTIVELY.
SETTING ITEM
SETTING VALUE
PROFILE NAME
aaaa(J)
COMMENT
eeee(J)
MAIL (SMTP) SERVER
XXXX.YY.ZZ
SOURCE MAIL ADDRESS
eeee@ffff.gg.hh
SOURCE NAME
eeee
DESTINATION
aaaa@bbbb.cc.dd
DESTINATION (Co.)
SUBJECT
test
SEND FORM OF ATTACHED FILE
TEXT
CONFIRM SETTING IN SENDING (C)
RETURN(B)
COMPLETE(F)
CANCEL
HELP
262
263
264
265

FIG.10

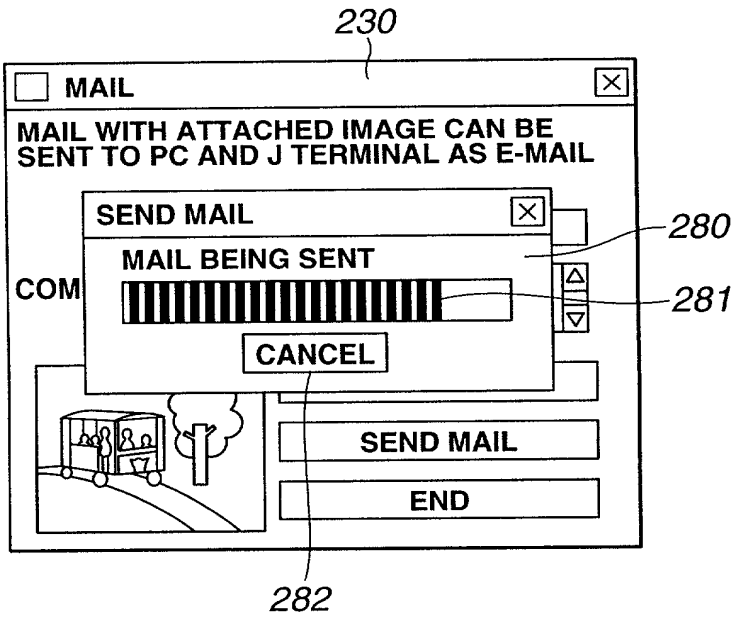
230
MAIL
MAIL WITH ATTACHED IMAGE CAN BE SENT TO PC AND J TERMINAL AS E-MAIL
SEND MAIL
280
MAIL BEING SENT
COM
281
CANCEL
SEND MAIL
END
282

FIG.11

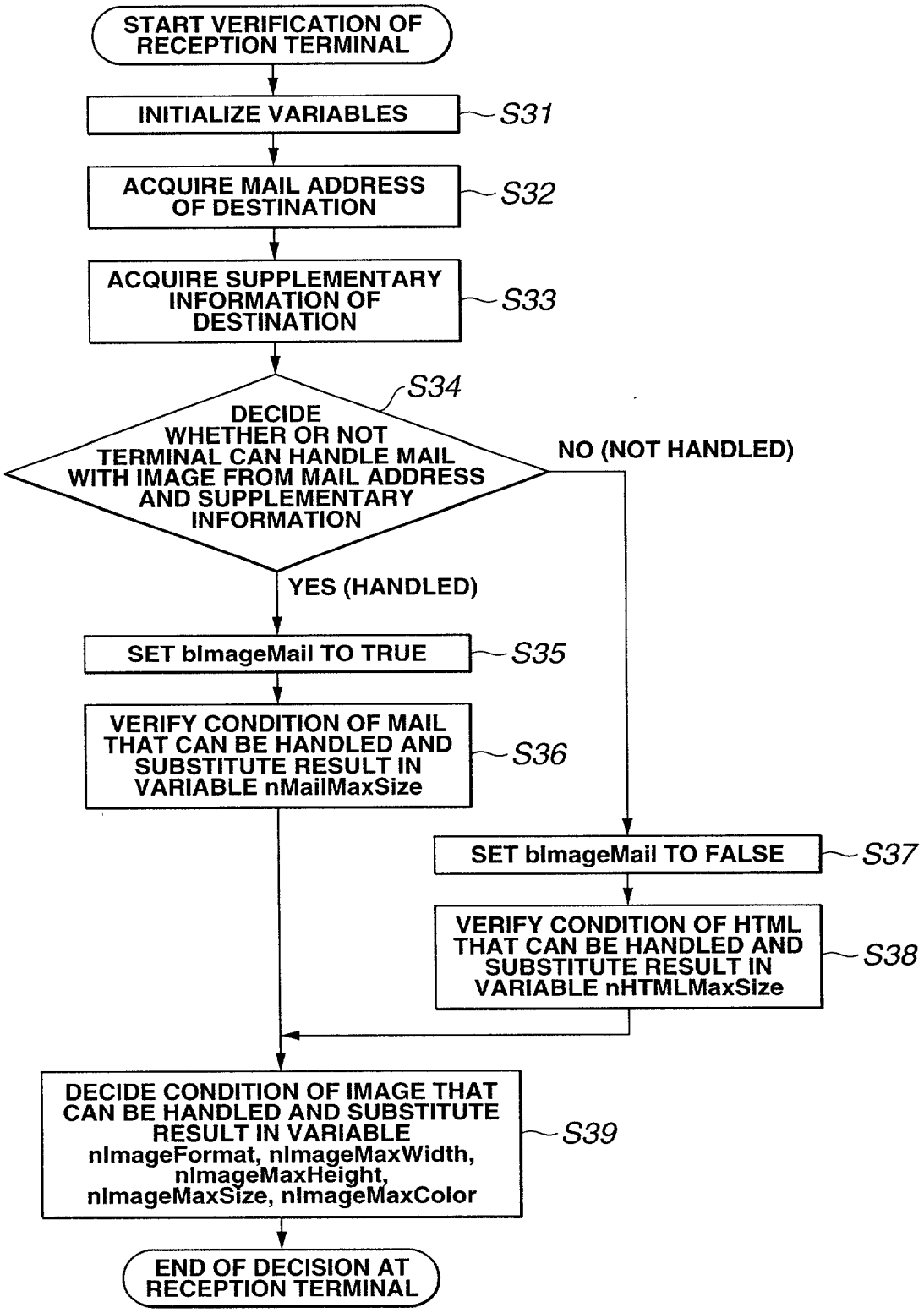
START VERIFICATION OF RECEPTION TERMINAL
INITIALIZE VARIABLES
S31
ACQUIRE MAIL ADDRESS OF DESTINATION
S32
ACQUIRE SUPPLEMENTARY INFORMATION OF DESTINATION
S33
S34
DECIDE WHETHER OR NOT TERMINAL CAN HANDLE MAIL WITH IMAGE FROM MAIL ADDRESS AND SUPPLEMENTARY INFORMATION
NO (NOT HANDLED)
YES (HANDLED)
SET bImageMail TO TRUE
S35
VERIFY CONDITION OF MAIL THAT CAN BE HANDLED AND SUBSTITUTE RESULT IN VARIABLE nMailMaxSize
S36
SET bImageMail TO FALSE
S37
VERIFY CONDITION OF HTML THAT CAN BE HANDLED AND SUBSTITUTE RESULT IN VARIABLE nHTMLMaxSize
S38
DECIDE CONDITION OF IMAGE THAT CAN BE HANDLED AND SUBSTITUTE RESULT IN VARIABLE nImageFormat, nImageMaxWidth, nImageMaxHeight, nImageMaxSize, nImageMaxColor
S39
END OF DECISION AT RECEPTION TERMINAL

FIG.12

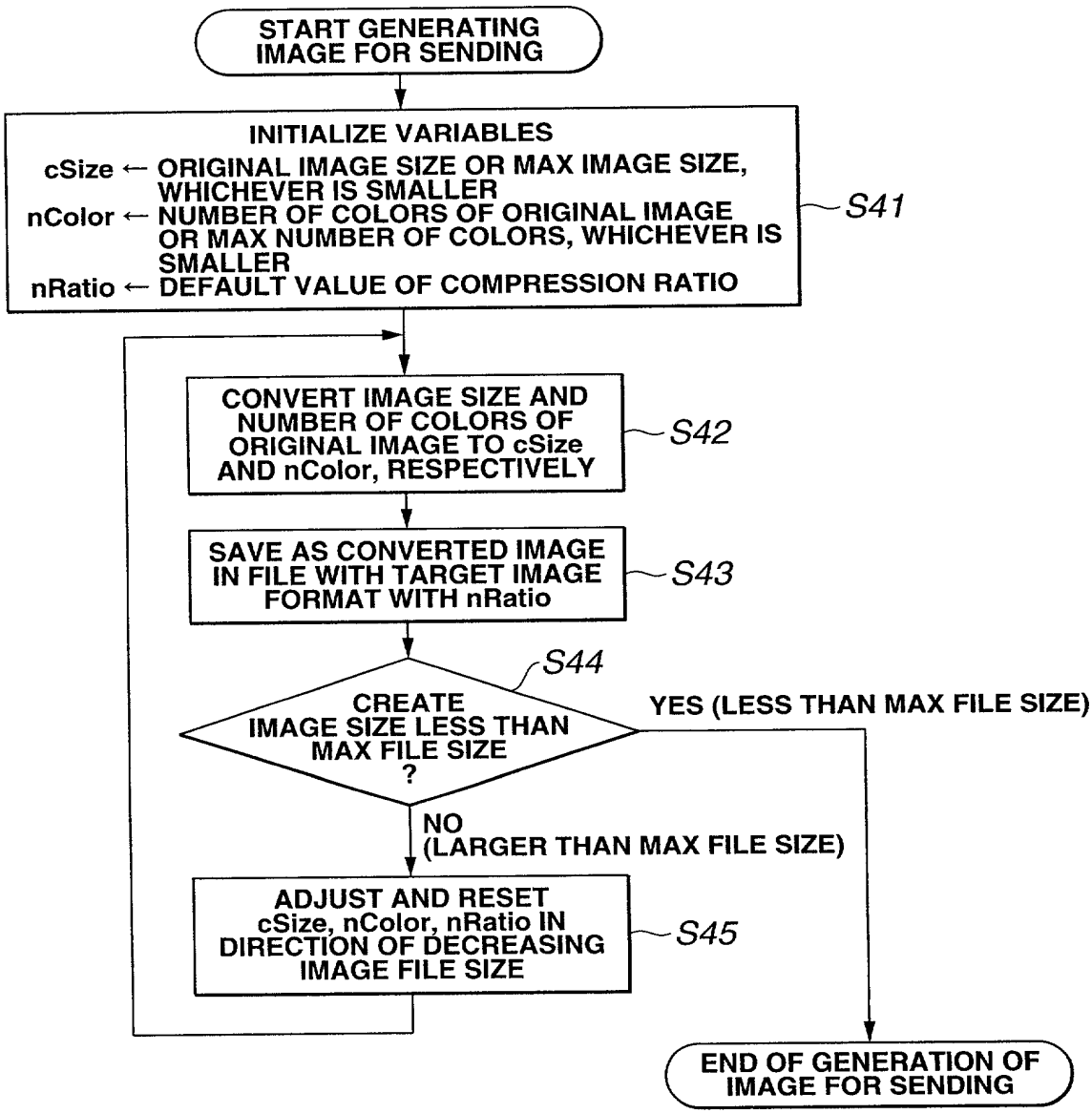
START GENERATING IMAGE FOR SENDING
INITIALIZE VARIABLES
cSize ← ORIGINAL IMAGE SIZE OR MAX IMAGE SIZE, WHICHEVER IS SMALLER
nColor ← NUMBER OF COLORS OF ORIGINAL IMAGE OR MAX NUMBER OF COLORS, WHICHEVER IS SMALLER
nRatio ← DEFAULT VALUE OF COMPRESSION RATIO
S41
CONVERT IMAGE SIZE AND NUMBER OF COLORS OF ORIGINAL IMAGE TO cSize AND nColor, RESPECTIVELY
S42
SAVE AS CONVERTED IMAGE IN FILE WITH TARGET IMAGE FORMAT WITH nRatio
S43
S44
CREATE IMAGE SIZE LESS THAN MAX FILE SIZE ?
YES (LESS THAN MAX FILE SIZE)
NO (LARGER THAN MAX FILE SIZE)
ADJUST AND RESET cSize, nColor, nRatio IN DIRECTION OF DECREASING IMAGE FILE SIZE
S45
END OF GENERATION OF IMAGE FOR SENDING

FIG.13

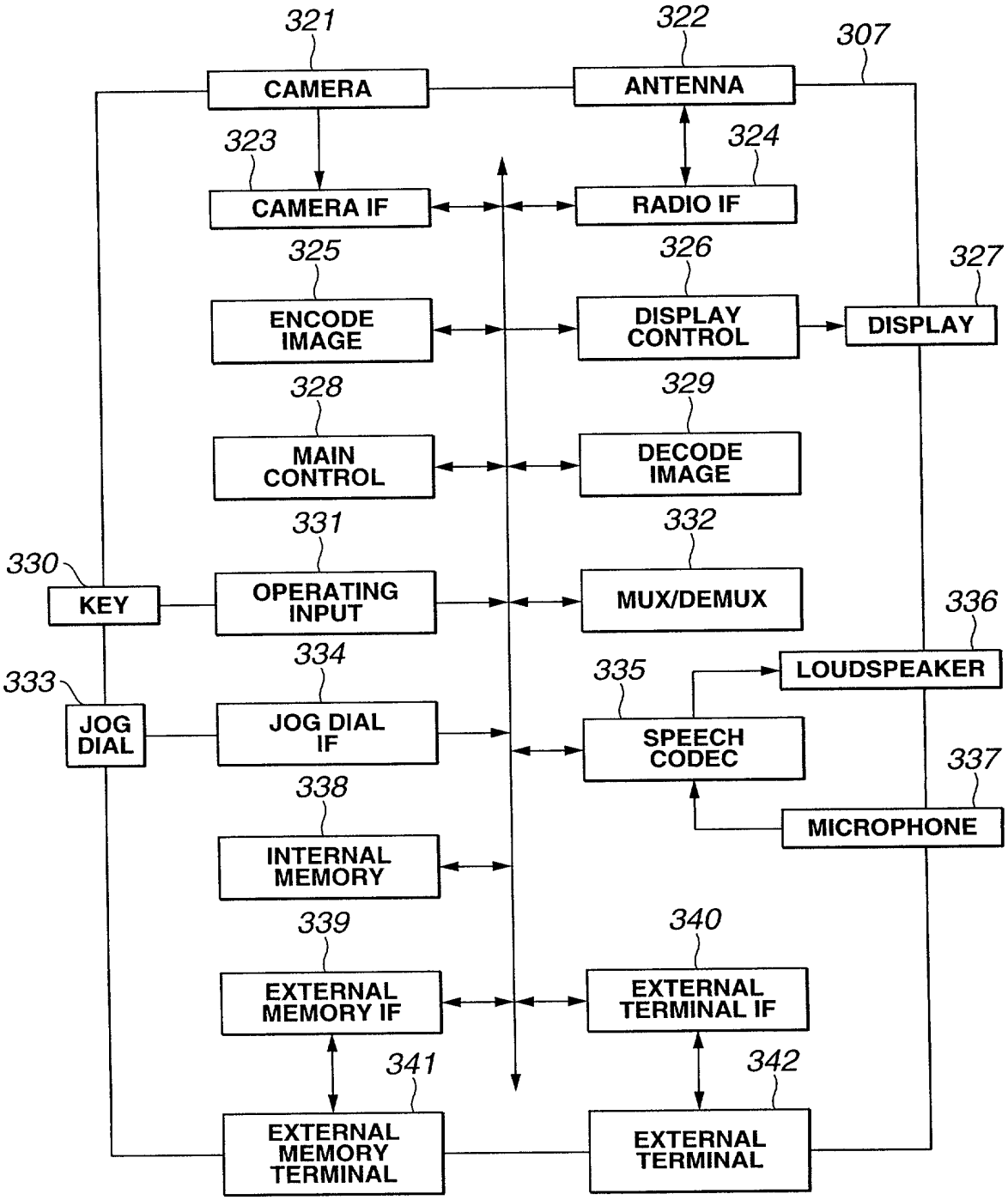
321
CAMERA
322
ANTENNA
307
323
CAMERA IF
324
RADIO IF
325
ENCODE IMAGE
326
DISPLAY CONTROL
327
DISPLAY
328
MAIN CONTROL
329
DECODE IMAGE
330
KEY
331
OPERATING INPUT
332
MUX/DEMUX
336
LOUDSPEAKER
333
JOG DIAL
334
JOG DIAL IF
335
SPEECH CODEC
337
MICROPHONE
338
INTERNAL MEMORY
339
EXTERNAL MEMORY IF
340
EXTERNAL TERMINAL IF
341
EXTERNAL MEMORY TERMINAL
342
EXTERNAL TERMINAL

FIG.14

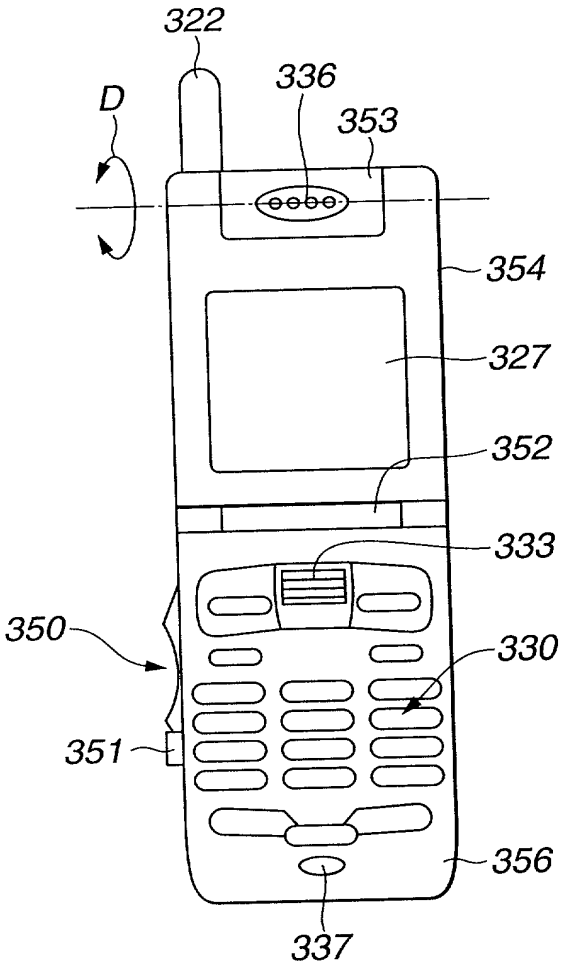


FIG.15

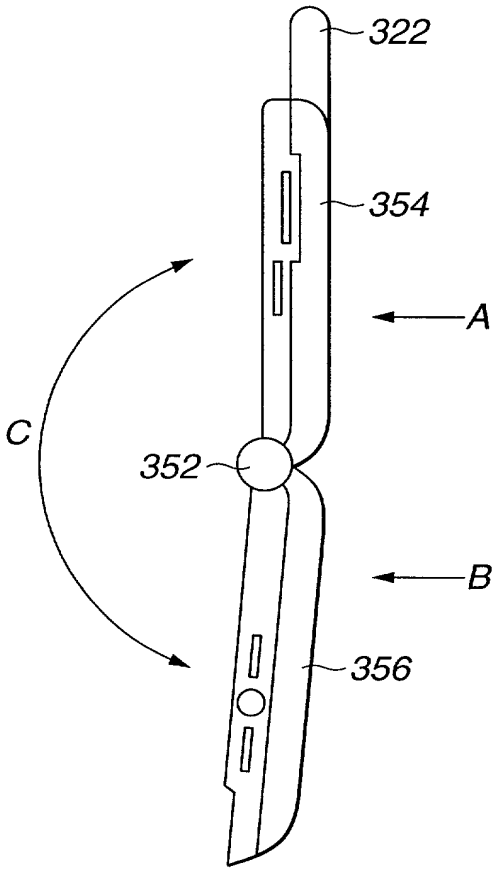


FIG.16

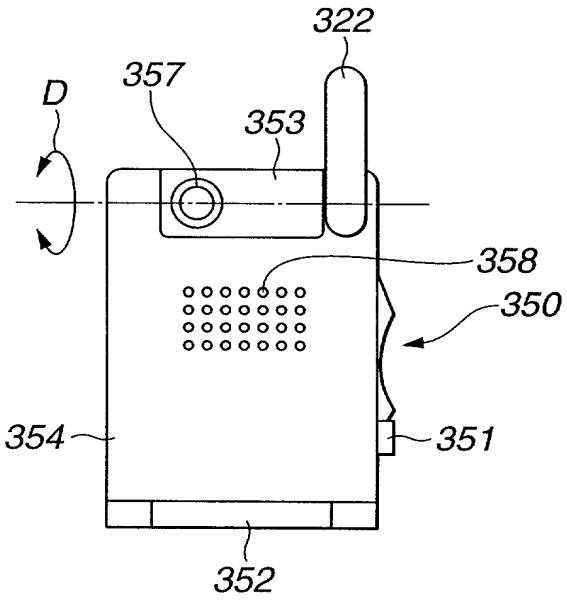


FIG.17

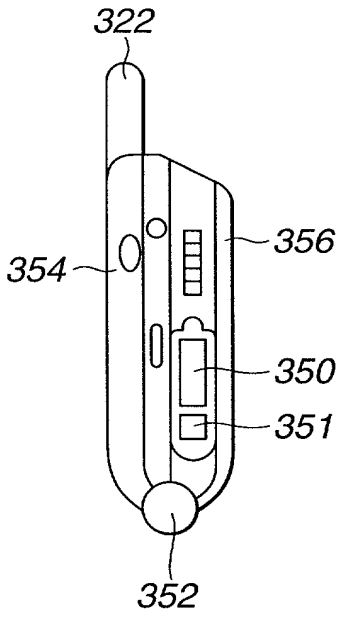


FIG.18

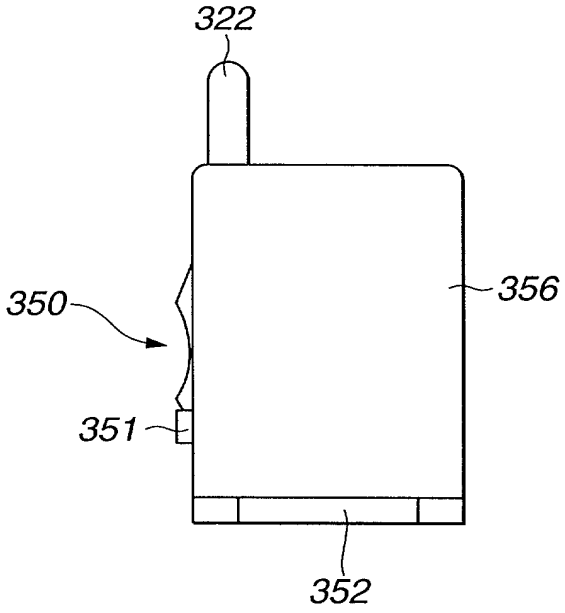


FIG.19